

Want to start using CASE in your agricultural education program?

Attend a CASE Institute!



- CASE Institutes are intense professional development led by practicing CASE teachers.
- The CASE curriculum is free to those who successfully complete a CASE Institute.
- Institutes are hosted by affiliated universities and colleges across the United States each summer.
- CASE teachers receive complimentary updates to the curriculum and many other services throughout their careers.
- For a complete listing of upcoming CASE Institutes and certification information, please visit www.case4learning.org and click on "Professional Development."

CASE



**STEM
EDUCATION
COALITION**
Science Technology Engineering Mathematics
Affiliate Member

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**AGRICULTURAL
RESEARCH AND
DEVELOPMENT**

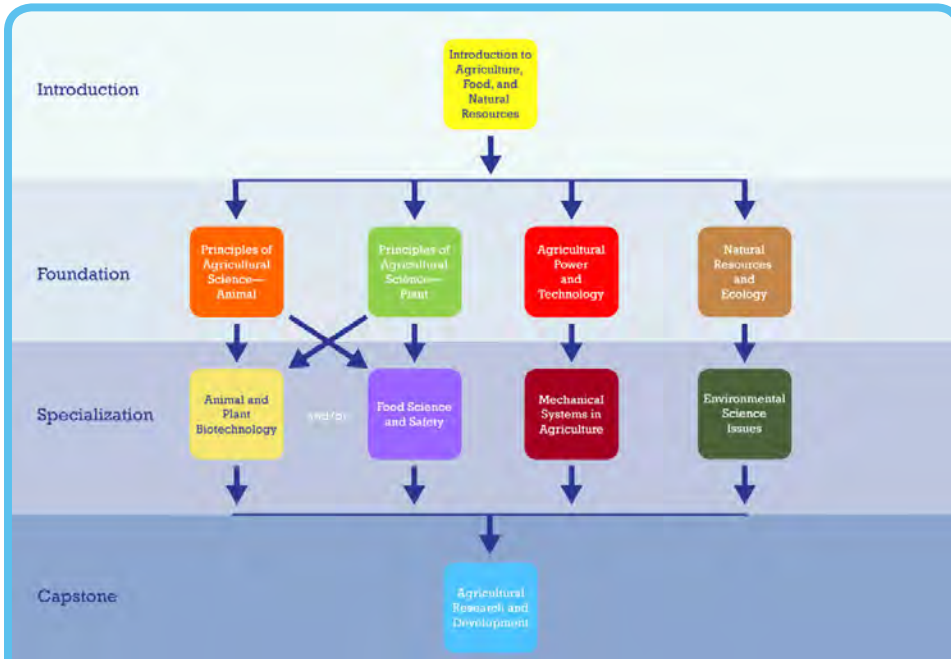


CASE

*Curriculum for Agricultural
Science Education*

CASE PROGRAM OF STUDY

“Career and Technical Education students should follow a program of study made up of a **purposeful sequence** of **rigorous courses** to build student knowledge and skills.”
– recommendation in Perkins reauthorization



Agricultural Research and Development



All CASE pathways begin with the *Introduction to Agriculture, Food, and Natural Resources* course, then branch into four areas which focus on animals, plants, agricultural engineering, and natural resources.

Schools may choose to offer one or more of the pathways based on student interest and staffing. Courses progress from the introduction course through foundation and specialization-level courses. All CASE pathways culminate with the capstone course *Agricultural Research and Development*.

Agricultural Research and Development

Agricultural Research and Development is the capstone course designed to culminate students' experiences in agriculture, based on the pathway of study they pursued. Woven throughout the course are projects and problems based in practical applications and designed to develop and improve employability skills of students. Students will further enhance critical thinking and teamwork skills as they expand on content knowledge from previous CASE courses.

Agricultural Research and Development

Areas of study include:

- Solve complex real-world problems
- Conduct research
- Analyze data
- Work in teams
- Develop new products

Lessons are aligned with national standards for:

- Agriculture
- Science
- Mathematics
- English Language Arts

CASE provides teachers online professional development to facilitate instruction.



We are grateful to **DuPont Pioneer** for sponsoring the *CASE Agricultural Research and Development* course as a special project through the **National FFA Foundation**.

